

ABSTRACT OF THE DISCLOSURE

A method for loading a biological sample comprising loading a biological sample with a solute by fluid phase endocytosis to produce an internally loaded biological sample. Within the biological sample a first matter (e.g., a vesicle) having the solute fuses with a second matter (e.g., a lysosome) to produce a fused matter containing the solute. Loading of the biological sample includes transferring the solute from the fused matter into cytoplasm within the biological sample.